

Nov. 8, 1932.

G. L. JESSUP

1,887,308

TRIGGER GUARD

Filed Dec. 16, 1931

2 Sheets-Sheet 1

Fig. 1.

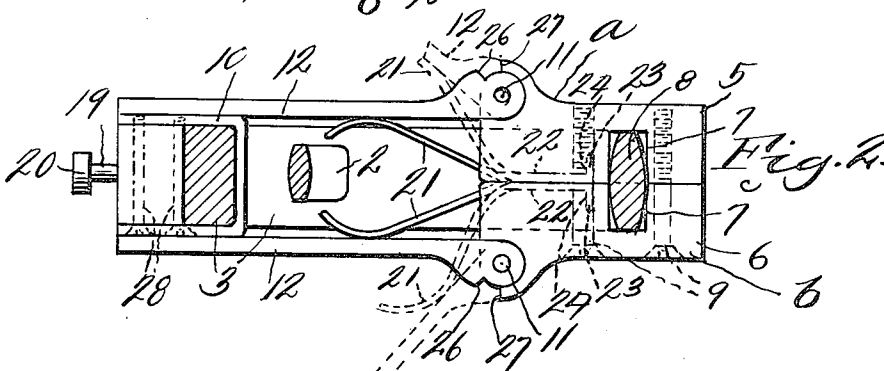
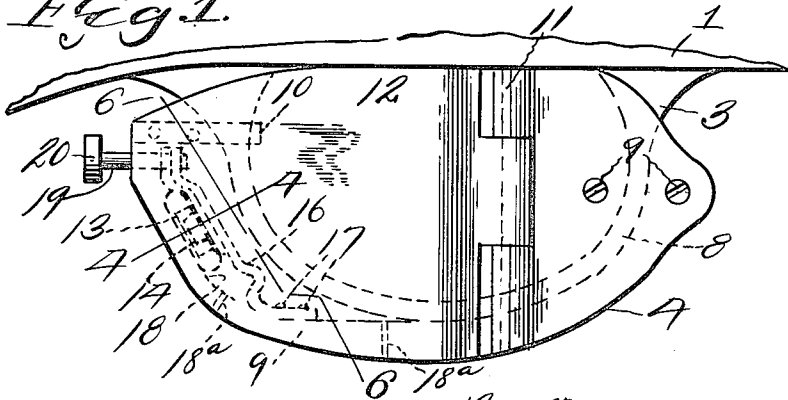
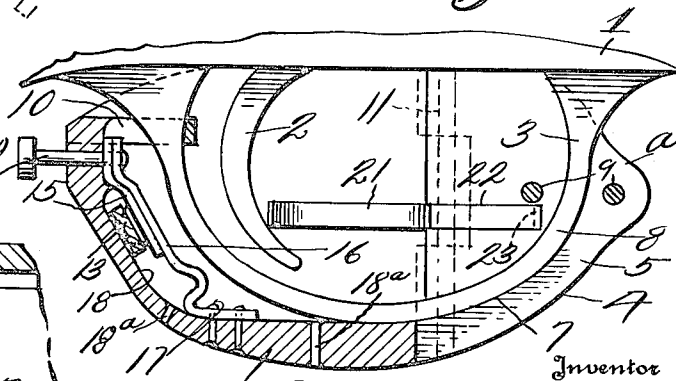


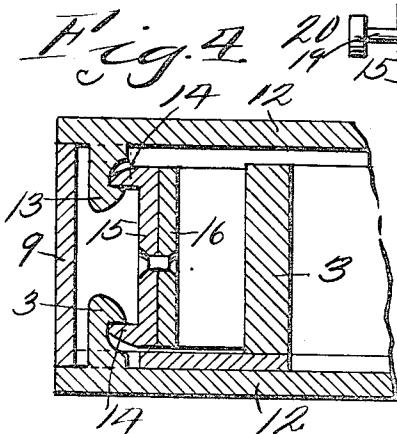
Fig. 3.



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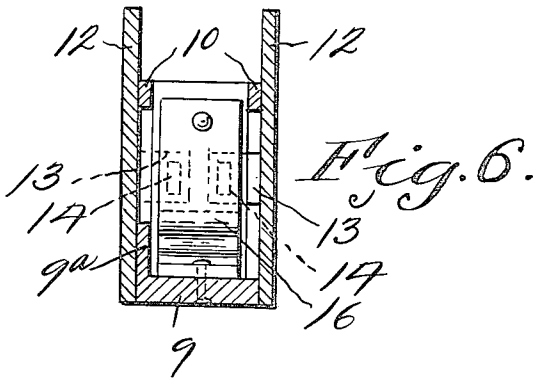
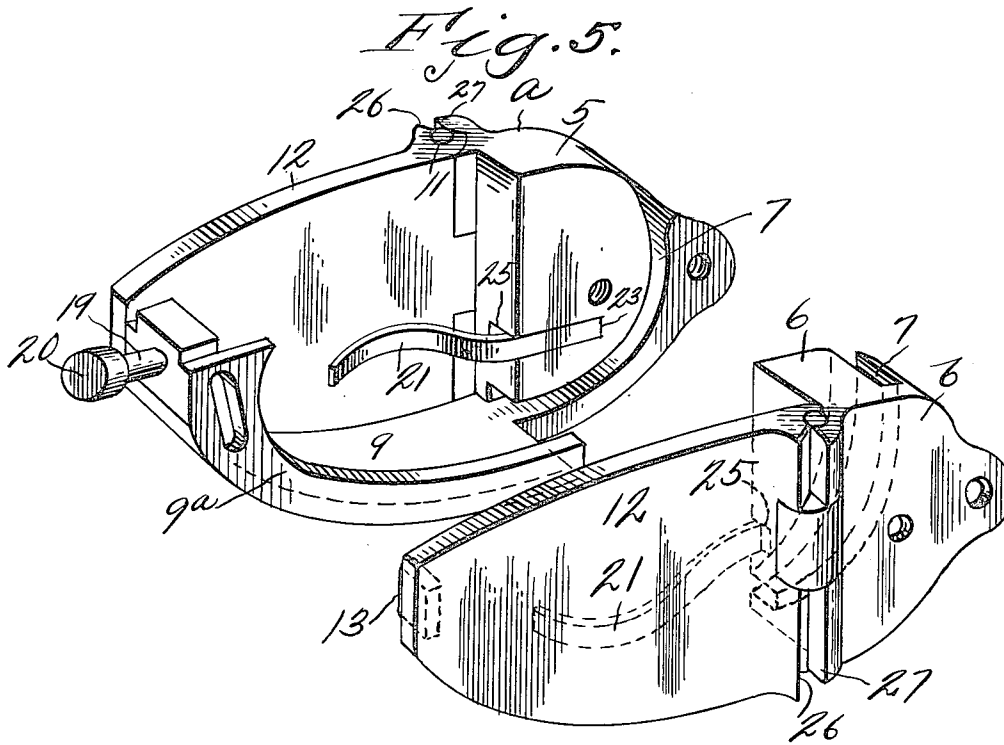
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TRIGGER GUARD

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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TRIGGER GUARD

Application filed December 18, 1931. Serial No. 581,447.

The invention relates to trigger guards and safety devices for fire arms and has for its object to provide a device of this character which may be attached to a conventional form of trigger guard and provided with hinged spring actuated closures at opposite sides of the guard, which will prevent accidental engagement of the trigger by the finger or other objects. Also to provide latching means cooperating with the closures whereby they can be simultaneously released and be allowed to move to open position under spring action.

A further object is to form the safety device from registering sections, clamped to opposite sides of gun trigger guard, each section carrying one of the closures.

A further object is to form the device from registering enlarged members having registering channels therein for the reception of opposite sides of the trigger guard proper at one end thereof, one of said sections or heads having an extension member arching the under and rear sides of the guard, and with opposite sides of which the closure engage.

A further object is to provide the rear end of the device with a U-shaped clamp adapted to arch the rear side of the trigger guard for holding the device in place.

A further object is to provide a leaf spring in a recess in the rear portion of the device and having lugs thereon with which catches, carried by the closures, engage when the closures are in closed position. Also to provide a single means for flexing said spring for a simultaneous release for both closures.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawings, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a side elevation of the device showing the same on a conventional form of trigger guard.

Figure 2 is a top plan view of the device, showing portions of the trigger and trigger guard in horizontal sections.

Figure 3 is a vertical longitudinal sectional view through the device, showing the trigger and trigger guard in side elevation.

Figure 4 is a transverse sectional view taken on line 4—4 of Figure 1.

Figure 5 is a collective perspective view of the parts of the device, showing the same in position to be assembled.

Figure 6 is a sectional view taken on line 6—6 of Figure 1.

Referring to the drawings, the numeral 1 designates a portion of a conventional form of drum, 2 the trigger and 3 the usual trigger guard in which the trigger 2 is disposed. It has been found that many accidents are caused by inadvertent touching of the trigger while carrying a gun or by objects, for instance underbrush, catching on the trigger when a person is hunting, and to obviate this difficulty the safety device 4 is provided which entirely houses the guard and trigger.

The safety device comprises sections *a* and *b* which register with each other. Sections *a* and *b* are provided with heads 5 and 6 having registering grooves 7 for the reception of the forward portion 8 of the trigger guard, said sections being secured together by means of screws 9, thereby securely clamping the sections *a* and *b* on the trigger guard. Formed integral with the head 5 is a rearwardly extending arcuate member 9, which arches the under and rear side of the trigger guard 3 and is securely clamped on the rear end of the guard by means of a U-shaped bracket 10, therefore it will be seen that the safety device is rigidly and securely attached to the trigger guard. Hingedly connected at opposite sides of the device and to the heads 5 and 6 at 11 are closures 12, the free ends of which are provided with catches 13, which hook over the lugs 14 carried by the plate 15, which is in turn secured to a leaf spring 16.

Leaf spring 16 is anchored at 17 to the arcuate member 9, and in a chamber 18 therein, and has connected to its upper end a push

rod 19 having a thumb engaging member 20 adapted to be engaged by the thumb of the operator for releasing the closures 12 when he desires to fire the gun and have access to the trigger 2. Upon release of the free ends of the hinged closures 12, they are forced outwardly to the dotted line positions shown in Figure 2 by the leaf springs 21, which extend forwardly through the grooves 22 in the inner faces of the heads 5 and 6 and terminate in angular portions 23 in recesses 24 in the heads, therefore it will be seen that the springs are positively anchored and when the heads are clamped together by the screws 9, displacement of the springs is prevented, and it will not be necessary to provide a special holding means for the springs, such for instance as screws. The adjacent rear corners of the heads 5 and 6 are provided with recesses 25 into which the springs flex when forcing the closures 12 to open positions. Closures 12 and the heads 5 and 6 are provided with cooperating shoulders 26 and 27 for limiting the outward movement of the closures, however they are not stopped in their outward movement until they are in a position where access may be easily had to the trigger 2.

In placing the safety device on the trigger guard, the operator takes the section *a* and applies the same to the guard, after which the U-shaped clamp 10 is placed in position and secured by the screws 28, then the section *b* is placed in position and securely clamped on the guard by the screws 9. Just before placing the section *b* in position the springs 21 are placed between the heads 5 and 6 so that when the heads are clamped together the springs will be also held.

From the above it will be seen that a safety device is provided for triggers which may be easily and quickly attached to a trigger guard and that the possibility of a trigger catching on objects is obviated. It will also be seen that both sides of the trigger guard are closed, and when it is desired to have access to the trigger for firing purposes, it will only be necessary for the operator to press the finger engaging member 20 for flexing the spring 16 and releasing the closures 12 so that they will be forced to open position by the spring action of the leaf springs 21. It will also be seen that the device is simple in construction and the parts reduced to a minimum. It is understood of course that proportions will vary according to types of trigger guards as well as details of construction.

One side of the arcuate member 9 is provided with a flange 9*a* which engages the outer side of the trigger guard, for additionally bracing the device and the chamber 18 is provided with drain apertures 18*a* through which excess oil or water may drain.

The invention having been set forth what is claimed as new and useful is:—

1. A safety device for trigger guards, said device comprising a member carried by the guard and closing opposite sides of the opening therethrough, hinged closures carried by said device at opposite sides of the guard and means whereby said closures may be released and forced to open position.

2. A safety device adapted to be received on a trigger guard, said device comprising registering members at opposite sides of the guard, means for clamping said registering members together and to the guard, hinged closures carried by said members, spring means for normally forcing said hinged closures to open position and latching means cooperating with said hinged closures for holding them in closed position and for releasing said closures simultaneously.

3. The combination with a trigger guard, of a safety device, said device being formed from registering sections at opposite sides of the guard, means for securing said sections together and on the guard, hinged closures carried by said sections, spring means for normally forcing said closures to open positions and latching means cooperating with said closures for holding the same closed and by means of which said closures may be simultaneously released.

4. The combination with a trigger guard, of a safety device therefor, said device comprising a member in which the guard is disposed, hinged closures carried by said member at opposite sides thereof, spring means for normally forcing said closures to open position and latching means cooperating with said closures for holding the same in closed position, and by means of which said closures may be simultaneously released.

5. The combination with a trigger guard having an opening extending entirely therethrough, of a safety device entirely housing said guard and trigger, said device having spring actuated closures which when open allow access to the trigger and latching means for normally maintaining said closures in closed position against said spring action.

6. A safety device for trigger guards, said device comprising registering members, heads carried by said members and having grooves in which a portion of the guard is received, means for clamping the heads on the guard, one of said heads having a rearwardly extending portion arching the under and rear sides of the guards, a clamp attaching said portion to the guard, hinged closures carried by said heads, spring means for normally forcing said closures to open positions and a latch device cooperating with said closures for holding the closures in closed position and forming means whereby said closures may be simultaneously released.

7. A safety device for trigger guards com-

prising registering sections entirely housing the guard, hinged closures carried by said sections and when opened allowing access to the guard, spring means for normally forcing said closures open, a latching device co-
operating with the closures for holding the same in closed position, said latching device being entirely housed within the safety device.

8. A safety device for trigger guards comprising registering sections, heads carried by said sections and in channels of which opposite sides of the guard extend, one of said heads having a portion housing one end of the guard, hinged closures carried by the head, spring means for normally forcing said closures to open position and latching means carried by the extension portion of one of the heads and cooperating with said closures for holding the same in closed positions.

9. A safety device for trigger guards comprising registering sections in channels of which opposite sides of the trigger guard are disposed, means for clamping said sections together, hinged spring actuated closures carried by said sections and when opened allowing access to the trigger guards and means cooperating with said closures whereby they may be simultaneously released.

10. The combination with a trigger guard safety device, said device comprising registering sections clamped on opposite sides of the guard, hinged closures carried by said sections at opposite sides of the guard, of leaf springs clamped between the sections and engaging the closures and forming means for normally forcing said closures to open positions.

In testimony whereof he hereunto affixes his signature.

GEORGE LEROY JESSUP.